

# Oughta Cost System

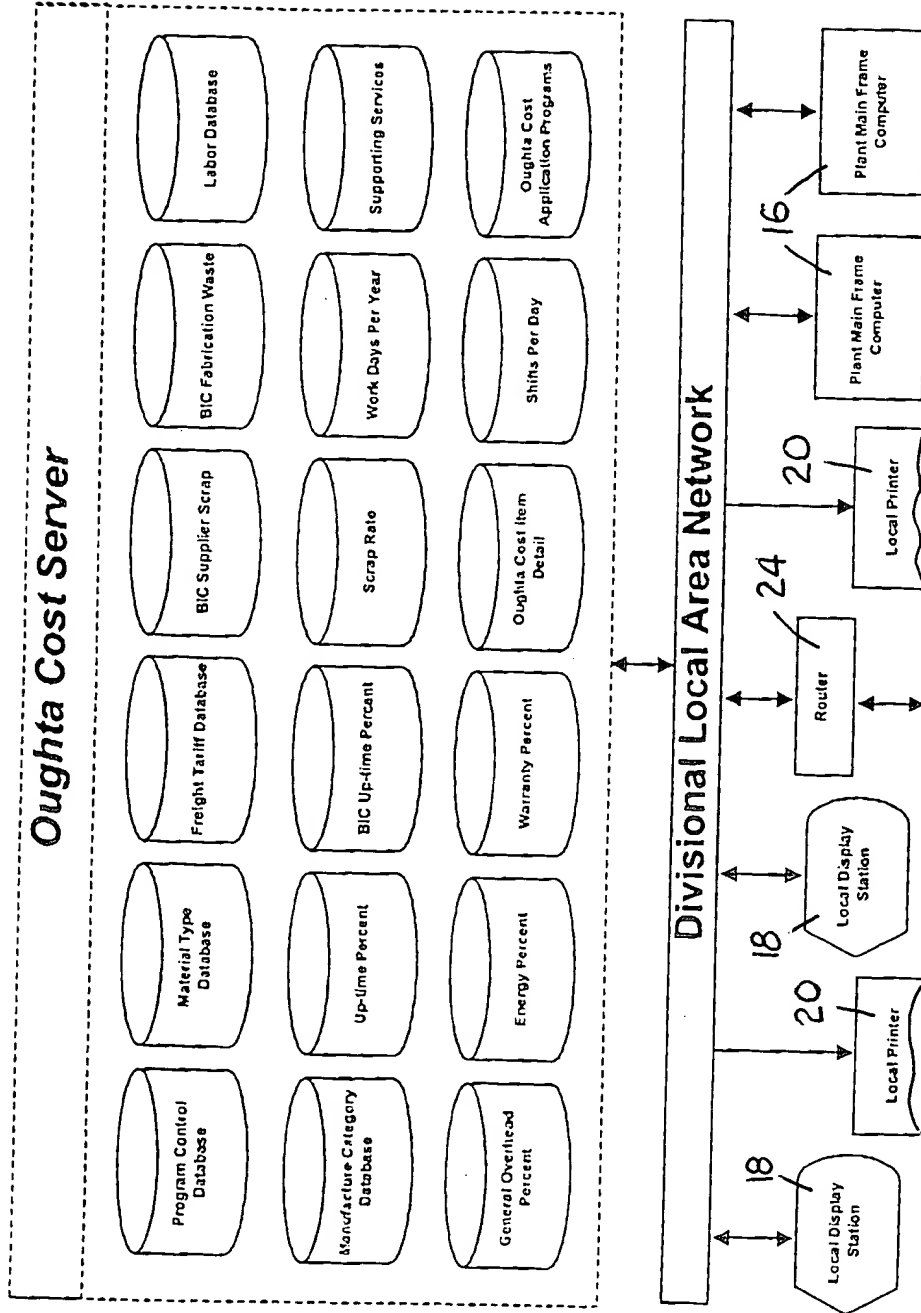


Fig 1A

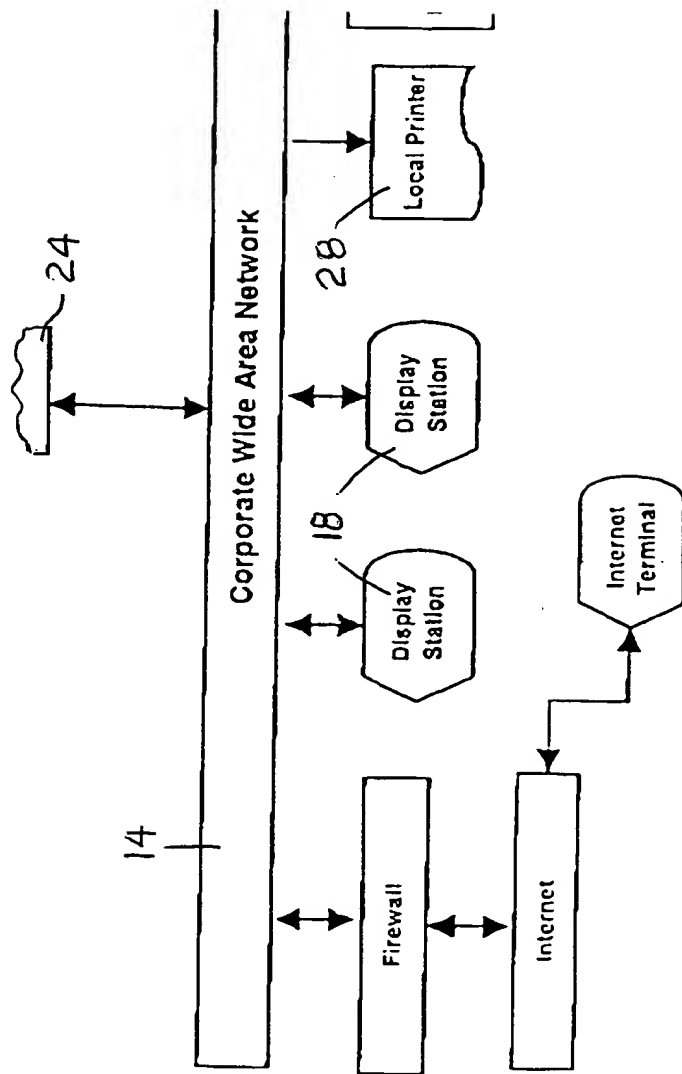


Fig 1B

# Oughta Cost System

Oughta Cost Search

## Existing Oughta Cost Studies

Program #	Description	Status	Owner
01122000001	New Crankshaft	Public	Ray Goss
10292000002	Machine New Head	Private	Bill Warren
01222001004	New Core Assembly Process	Public	Gary Denklau

Name of New Oughta Cost Study

Copy An Existing Study | Create New Study

Open  
Study  
Reports  
Exit

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FIG 2

Material

Cost Components

- Material
- Capital
- Labor
- Manufacturing
- Overhead
- Reports
- Home
- Exit

Program # 02010100001 | Component: Shaft | Component # 100 | Status: Public

Material Type

Supplier Scrap:

Fabrication Waste:

Freight

Origin

Destination

Mode

Steel Forging

Fine Blanked Steel

Copper

Tin

Plastic

Die Cast Aluminum

Brass Bar Stock

Plastic

Bronze Bar Stock

Nitralloy Steel Bar

Weight Needed

Material Cost

Cost

Rates/CWT

Returnable Containers

Dunnage

Materials Table

Material Code	Unit of Measure	Category	Description

Comments

Material		Program # 02010100001   Component: Shaft   Component # 100   Status: Public										
<ul style="list-style-type: none"> <li>Cost Components</li> <li>-Material</li> <li>-Capital</li> <li>-Labor</li> <li>-Manufacturing</li> <li>-Overhead</li> <li>Reports</li> <li>Home</li> <li>Exit</li> </ul>	Material Type		Steel Forging									
	Supplier Scrap:											
	Fabrication Waste:											
	Freight											
	Origin											
	Destination											
	Mode											
	Weight Needed											
	Material Cost											
	Cost											
Materials Table												
Material Code		Unit of Measure		Category		Description						
1-112-A		Ton		Forging		Steel Forging						
Comments												

FIG 4

Material

Program # 020101000001 | Component: Shaft | Component # 100 | Status: Public

Material Type

Steel Forging

Supplier Scrap:

5.00%

Fabrication Waste:

5.00%

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

Freight

Origin

Destination

Mode

Light Needed

Material Cost

Cost

Returnable Containers

Dunnage

Rates/CWT

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging

Comments

FIG 5

Material

Program # 02010100001 | Component: Shaft | Component # 100 | Status: Public

Material Type

Steel Forging

Supplier Scrap:

5.00%

Fabrication Waste:

5.00%

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

Freight

Origin

New York

Total Weight Needed

111

Returnable Containers

Destination

California

Total Material Cost

\$

Dunnage

Mode

Truck Load

Freight Cost

\$

Rates/CWT

\$

Less Than Truck Load

Rail

Boat

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging

Comments

FIG 6

Material

Program # 02010100001 | Component: Shaft | Component # 100 | Status: Public

Material Type

Steel Forging

Supplier Scrap:

5.00%

Fabrication Waste:

5.00%

Freight

Origin

New York

Total Weight Needed

111

Returnable Containers

Y

Destination

California

Total Material Cost

\$51.06

Dunnage

Mode

Truck Load

Freight Cost

\$1.11

Rates/CWT

\$1.00

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging
Crankshaft for 2003 model year V8			

Comments

This study has only one component.

FIG 7

# Labor

Program # 01122000001 | Component: Shaft | Component # 123456 | Status: Public

- Cost Components
- Material
- Capital
- Labor
- Manufacturing
- Overhead
- Reports
- Home
- Save & Exit

Supporting Services: 0% Region: North

Machining Type: Transfer Line Skill Level: Standard Machining

Additional Labor \$: 0.00

Employee Type	Number Required	Operation # (OP #)	Default Labor Rate	Employee Benefit (% of Labor Rate)	Employee Benefits
<b>DIRECT LABOR</b>					
Machine Operators	3	10	\$11.00	50 %	\$5.50
Machine Operators	3	20	\$11.00		\$3.50
Assembly Test	0		\$9.00		\$3.50
<b>INDIRECT LABOR</b>					
Material Handling	5	10	\$8.00		\$4.00
Shipping	2	30	\$11.00		\$4.00
Receiving	2	05	\$8.00		\$4.00
Line Stocking	1	10	\$7.00		\$3.50
Material Scheduler	25		\$6.00		\$3.00
Inspection	25	20	\$8.00		\$4.00
Quality	25	20	\$9.00		\$4.50
Supervisor	1		\$14.00		\$4.00

FIG 8

Capital

Cost Components

-Material

-Capital

-Labor

Manufacturing

-Overhead

Reports

Home

Program # 01122000003 | Component: Shaft | Component # 123456 | Status: Public

General Capital

Building Expansion

Qty

1

Item Category

Building

Depreciation

30 yrs

Capital \$

\$200,000

Add General Item

Machining Capital

Qty	Op #	Description	Category	Capital \$	Capital Depreciation	Tooling \$	Tooling Depreciation
1	10	Rough Machining	Machine Tool	\$25,000	5 yrs		
	10	Cutters	Tooling			\$800	1 yrs

Add Machining Item

Comments

Cancel

Help

FIG 9

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Manufacturing

Program # 01122000001 | Component: Shaft | Component # 123456 | Status: Public

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Manufacturing Category

Uptime Current

Uptime World Class

Scrap Rate

Volume

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

Transfer Line

50%

51%

52%

53%

54%

100%

per

Manufacturing Time

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

FIG 10

Manufacturing

Program # 011220000001 | Component: Shaft | Component # 123456 | Status: Public

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Manufacturing Category

Transfer Line

50%

Uptime Current

Uptime World Class

Scrap Rate

Volume

70%

75%

80%

85%

90%

95%

100%

per

Manufacturing Time

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

FIG 11

Manufacturing

Program # 011220000001

Component: Shaft

Component # 123456

Status: Public

Transfer Line

50%

90%

per

5.00%

5.10%

5.20%

5.30%

5.40%

5.50%

5.60%

5.70%

5.80%

5.90%

Uptime Current

Uptime World Class

Scrap Rate

Volume

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

FIG 12

FIG 13



# OverHead

- Cost Components
- Material
- Capital
- Labor
- Manufacturing
- Overhead
- Reports
- Exit

## Depreciation

Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
<b>TOTALS</b>		<b>\$225,800</b>		<b>\$12,467</b>		<b>\$7,634</b>

Startup Costs

\$20,000

Engineering Support

\$10,000

Warranty Cost (% of Sales)

0.1%

### Additional Expenses

Cost Category	Cost Desc	Cost (\$)	Occurrence
Add Cost Category			

Comments

FIG 15

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# OverHead

Program # 01122000001 | Component: Shaft | Component # 123456 | Status: Public

## Depreciation

Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
<b>TOTALS</b>		<b>\$225,800</b>		<b>\$12,467</b>		<b>\$7,634</b>

Startup Costs

\$20,000

Engineering Support

\$10,000

Warranty Cost (% of Sales)

0.1%

## Additional Expenses

Cost Category	Cost Description	Cost (\$)	Occurrence
Pershaible Tooling			
MRO			
General Overhead			
Energy			
Other			

## Comments

FIG 16

- Material
- Capital
- Labor
- Manufacturing
- Overhead
- Reports
- Exit

Reports

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

☒ Standard Report Package

☒ Material

☐ Labor

☐ Capital

☐ Manufacturing

☐ Overhead

☒ Summary

Program Description:

Component Control #:

Component:

1201200001

10292000002

01222001004

02102001001

Select

Program:

Selected Items:

Cancel

Help

FIG 17

FIG 18

FIG 18